

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101016\
 Data File : BG024244.D
 Acq On : 10 Oct 2016 18:32
 Operator : UM/SJ
 Sample : H5082-21
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BDPJ0

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.1
 Stop Thrs : 0

Filtering: 5
 Min Area: 0.1 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG0100716.M
 Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.150	220	223	225	rBV4	14235	16883	0.35%	0.030%
2	4.655	307	309	313	rBV5	13794	11397	0.24%	0.020%
3	4.732	319	322	324	rBV4	10244	12489	0.26%	0.022%
4	4.878	344	347	348	rBV3	11605	14025	0.29%	0.025%
5	4.937	355	357	360	rBV4	11772	9998	0.21%	0.018%
6	5.513	451	455	456	rVB4	10737	12841	0.27%	0.023%
7	5.531	456	458	460	rBV3	9943	9772	0.20%	0.017%
8	5.772	497	499	503	rVB5	9132	9422	0.20%	0.017%
9	5.895	518	520	523	rBV4	9584	12578	0.26%	0.022%
10	6.483	617	620	623	rBV4	8585	10702	0.22%	0.019%
11	6.665	647	651	653	rVB5	10145	12640	0.26%	0.022%
12	6.700	656	657	659	rBV2	11544	9425	0.20%	0.017%
13	6.894	685	690	691	rBV5	13796	18869	0.39%	0.033%
14	6.958	699	701	704	rVB3	9764	10765	0.22%	0.019%
15	7.423	771	780	790	rBV2	667670	1257037	26.11%	2.205%
16	7.611	806	812	822	rVB	471318	837247	17.39%	1.469%
17	7.816	840	847	854	rVB2	603726	1105993	22.97%	1.940%
18	7.969	871	873	875	rBV3	8390	10653	0.22%	0.019%
19	8.034	880	884	886	rBV4	9877	12454	0.26%	0.022%
20	8.239	917	919	921	rBV3	10457	10392	0.22%	0.018%
21	8.298	922	929	938	rVB	590765	1092197	22.68%	1.916%
22	8.427	949	951	954	rVB3	8502	9339	0.19%	0.016%
23	8.551	968	972	974	rBV4	9249	10063	0.21%	0.018%
24	8.815	1014	1017	1019	rBV3	7473	9232	0.19%	0.016%
25	8.980	1038	1045	1057	rBV	829481	1514632	31.46%	2.657%
26	9.068	1057	1060	1065	rBV6	7167	12218	0.25%	0.021%
27	9.338	1101	1106	1108	rBV6	6353	9790	0.20%	0.017%
28	9.361	1108	1110	1115	rBV6	11118	13465	0.28%	0.024%
29	9.473	1119	1129	1135	rBV	642049	1220552	25.35%	2.141%
30	9.520	1135	1137	1142	rVB6	21760	34146	0.71%	0.060%
31	9.620	1151	1154	1157	rBV5	10548	10949	0.23%	0.019%
32	9.785	1179	1182	1184	rBV4	13563	11959	0.25%	0.021%
33	9.837	1188	1191	1193	rVB4	11641	14449	0.30%	0.025%
34	10.196	1245	1252	1260	rBV2	575709	1051673	21.84%	1.845%

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35	10.354	1277	1279	1280	rBV2	16008	11358	0.24%	0.020%
36	10.725	1335	1342	1355	rVB	880475	1598362	33.20%	2.804%
37	10.877	1364	1368	1371	rBV5	10669	12626	0.26%	0.022%
38	11.060	1395	1399	1400	rBV4	8941	11089	0.23%	0.019%
39	11.124	1403	1410	1418	rVB	838775	1596237	33.15%	2.800%
40	11.253	1425	1432	1442	rVV2	751919	1442993	29.97%	2.531%
41	11.324	1442	1444	1448	rVB5	10269	14420	0.30%	0.025%
42	11.571	1484	1486	1492	rVB7	9266	9523	0.20%	0.017%
43	12.317	1610	1613	1614	rBV2	11528	9445	0.20%	0.017%
44	12.428	1630	1632	1637	rVB5	12070	10382	0.22%	0.018%
45	12.622	1662	1665	1668	rVB5	8184	10931	0.23%	0.019%
46	12.687	1671	1676	1681	rVV4	21664	43924	0.91%	0.077%
47	12.846	1698	1703	1705	rVB6	7239	10229	0.21%	0.018%
48	12.881	1707	1709	1713	rVV5	10254	15215	0.32%	0.027%
49	13.151	1749	1755	1758	rVB8	21761	30561	0.63%	0.054%
50	13.269	1773	1775	1780	rVB5	14796	20116	0.42%	0.035%
51	13.369	1787	1792	1795	rBV7	6617	10990	0.23%	0.019%
52	13.410	1795	1799	1803	rVV5	11029	17393	0.36%	0.031%
53	13.510	1814	1816	1821	rVB6	12425	15603	0.32%	0.027%
54	13.709	1848	1850	1853	rBV5	9125	10680	0.22%	0.019%
55	13.774	1856	1861	1862	rBV4	24496	32325	0.67%	0.057%
56	13.950	1889	1891	1895	rVB5	9477	11655	0.24%	0.020%
57	14.303	1945	1951	1955	rBV	1724264	2617269	54.36%	4.591%
58	14.350	1955	1959	1967	rVV	1478543	2187240	45.43%	3.837%
59	14.403	1967	1968	1972	rVB4	10849	9255	0.19%	0.016%
60	14.608	1994	2003	2010	rBV	1720339	2857768	59.35%	5.013%
61	14.767	2026	2030	2035	rVB5	27649	40086	0.83%	0.070%
62	14.908	2047	2054	2063	rBV	1463528	2391341	49.66%	4.195%
63	15.072	2074	2082	2092	rBV	943867	1531180	31.80%	2.686%
64	15.278	2112	2117	2127	rVB2	229330	338879	7.04%	0.594%
65	15.384	2130	2135	2141	rVB9	16730	31464	0.65%	0.055%
66	15.448	2143	2146	2150	rVB6	14386	17865	0.37%	0.031%
67	15.478	2150	2151	2154	rBV2	8786	9719	0.20%	0.017%
68	15.619	2173	2175	2176	rBV2	14077	11390	0.24%	0.020%
69	15.672	2179	2184	2185	rBV5	17994	26426	0.55%	0.046%
70	15.713	2187	2191	2196	rVB3	85964	126516	2.63%	0.222%
71	15.754	2196	2198	2201	rBV4	9201	11600	0.24%	0.020%

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72	15.778	2201	2202	2205	rVB3	13827	10017	0.21%	0.018%
73	15.895	2215	2222	2230	rVB	2436995	3868771	80.35%	6.786%
74	15.995	2230	2239	2247	rBV	894132	1390715	28.88%	2.439%
75	16.130	2258	2262	2269	rVB6	53385	111228	2.31%	0.195%
76	16.212	2273	2276	2277	rBV3	15890	11731	0.24%	0.021%
77	16.265	2283	2285	2287	rBV3	16722	17905	0.37%	0.031%
78	16.330	2294	2296	2301	rBV6	15226	20488	0.43%	0.036%
79	16.571	2333	2337	2340	rBV2	134019	176890	3.67%	0.310%
80	16.917	2393	2396	2397	rBV3	24274	16877	0.35%	0.030%
81	17.005	2407	2411	2419	rVB5	76635	130741	2.72%	0.229%
82	17.082	2422	2424	2428	rVB4	22574	19199	0.40%	0.034%
83	17.188	2440	2442	2444	rBV3	17102	17145	0.36%	0.030%
84	17.364	2469	2472	2477	rBV2	83226	97954	2.03%	0.172%
85	17.417	2477	2481	2487	rVB7	28875	59086	1.23%	0.104%
86	17.652	2514	2521	2531	rBV	1908325	2951346	61.29%	5.177%
87	17.752	2531	2538	2546	rVV2	2633184	4260705	88.49%	7.474%
88	17.993	2575	2579	2582	rBV6	38719	47441	0.99%	0.083%
89	18.110	2595	2599	2602	rVB6	40492	51886	1.08%	0.091%
90	18.374	2639	2644	2648	rBV8	28537	50710	1.05%	0.089%
91	18.498	2660	2665	2674	rBV2	615316	870822	18.09%	1.528%
92	19.191	2782	2783	2784	rBV	20142	9667	0.20%	0.017%
93	19.755	2875	2879	2885	rBV3	243006	327160	6.79%	0.574%
94	20.020	2918	2924	2931	rVB2	3197034	4815021	100.00%	8.446%
95	20.337	2975	2978	2982	rBV2	136072	157820	3.28%	0.277%
96	21.347	3148	3150	3155	rVB4	164885	196454	4.08%	0.345%
97	21.535	3179	3182	3192	rVB4	334710	530701	11.02%	0.931%
98	21.953	3246	3253	3263	rVB	1871967	3414690	70.92%	5.990%
99	25.166	3791	3800	3811	rVB	1576544	4466604	92.76%	7.835%
100	25.402	3832	3840	3854	rVB3	1068686	3335471	69.27%	5.851%

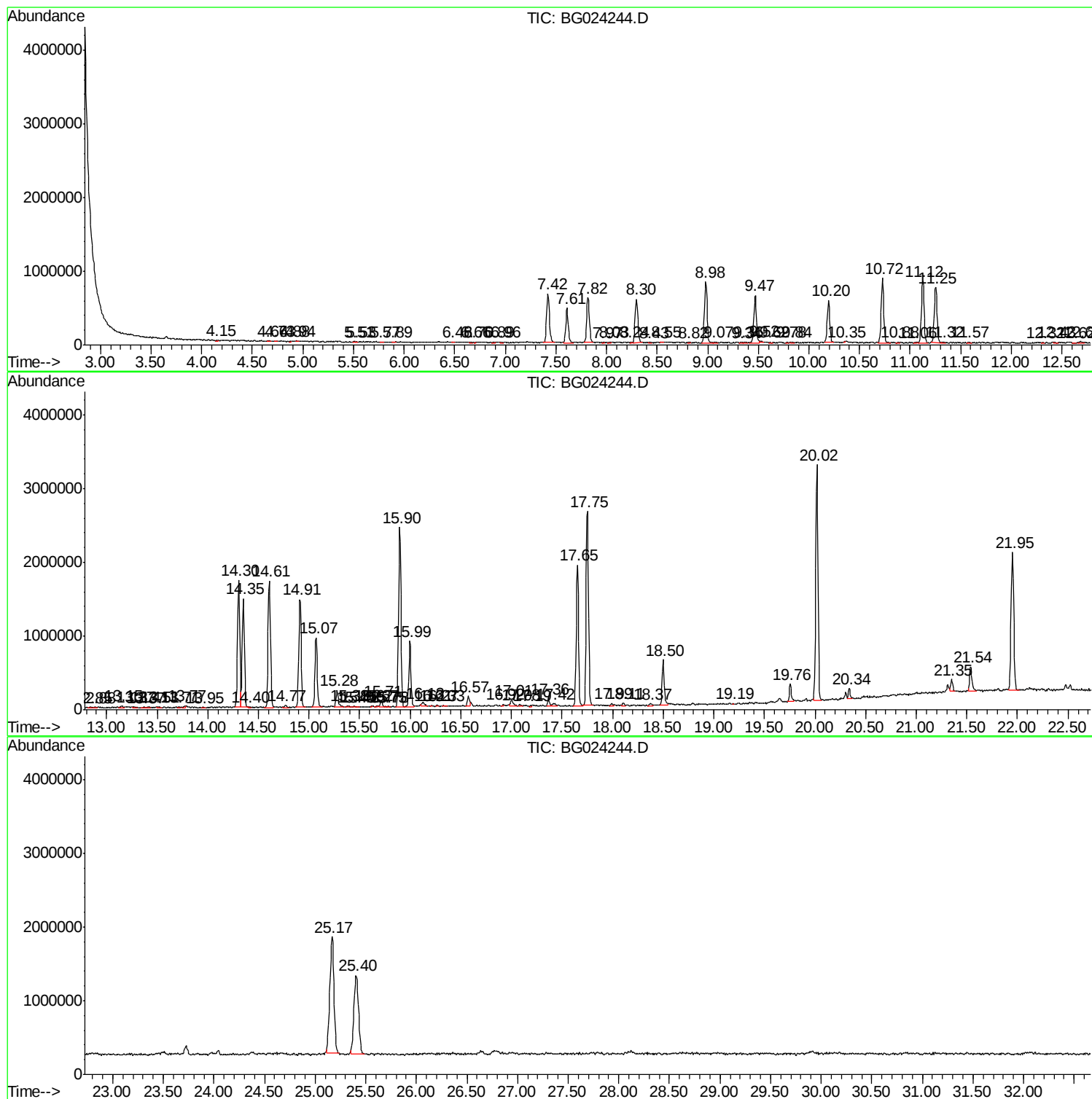
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG0100716.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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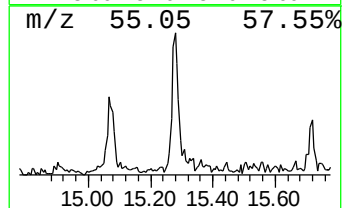
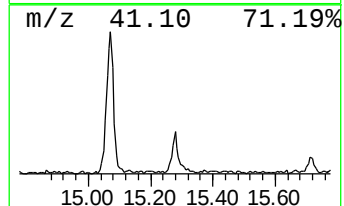
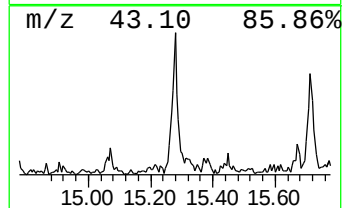
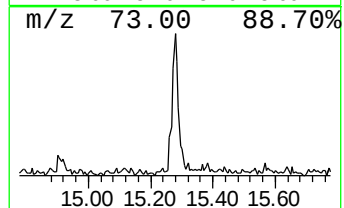
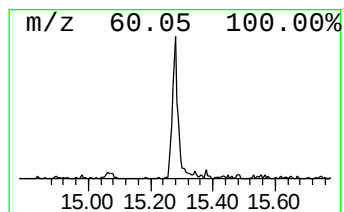
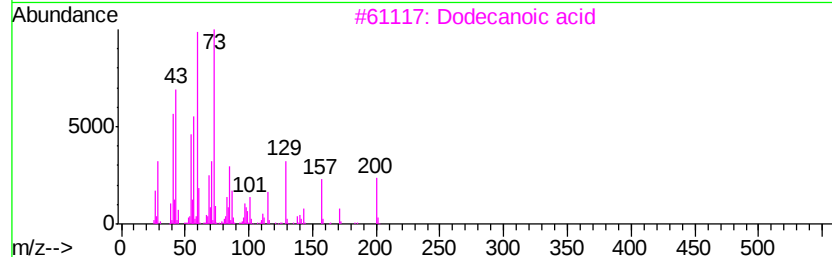
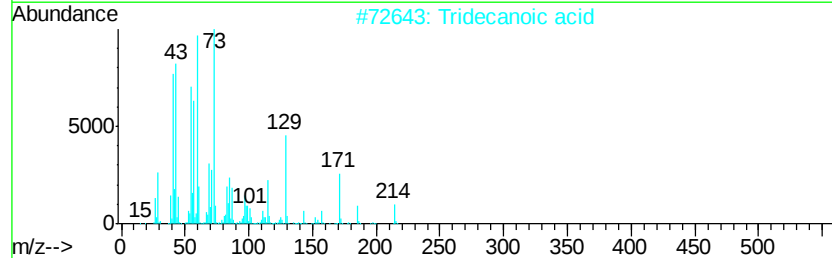
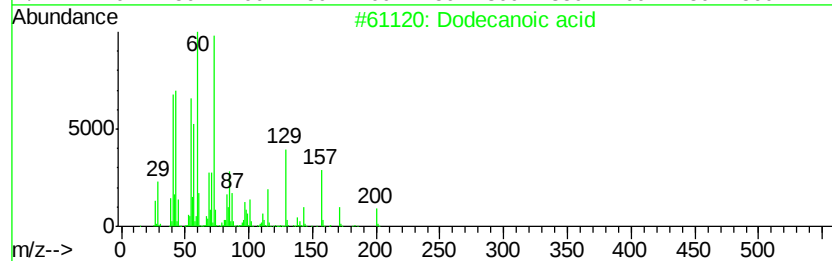
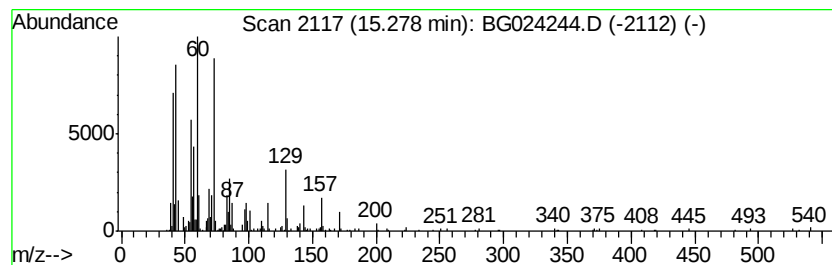
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG0100716.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Dodecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.28	2.83 ng/ul	338879	Acenaphthene-d10	14.91

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecanoic acid	200	C12H24O2	000143-07-7	91
2		Tridecanoic acid	214	C13H26O2	000638-53-9	86
3		Dodecanoic acid	200	C12H24O2	000143-07-7	86
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	86
5		n-Decanoic acid	172	C10H20O2	000334-48-5	70



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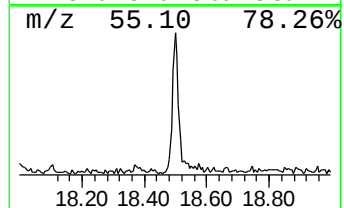
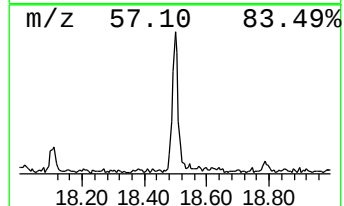
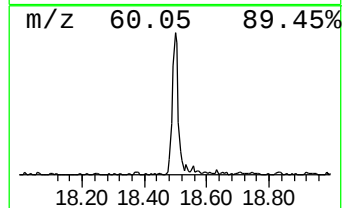
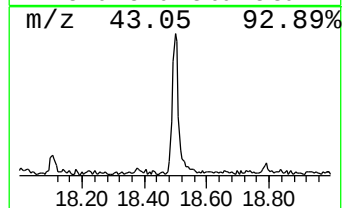
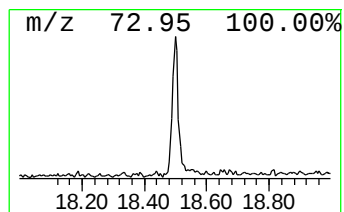
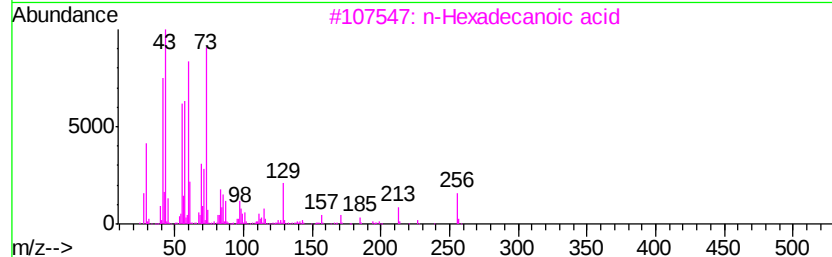
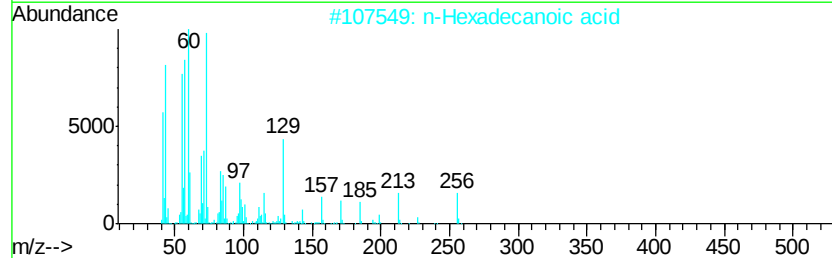
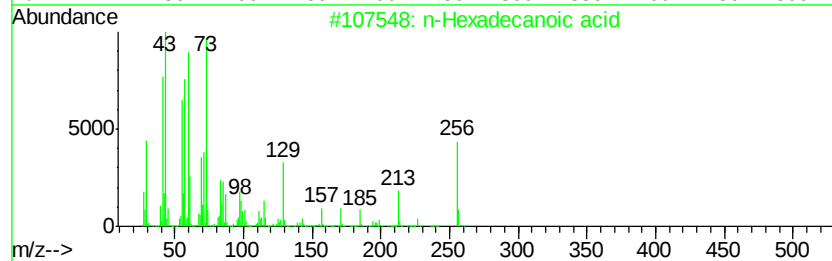
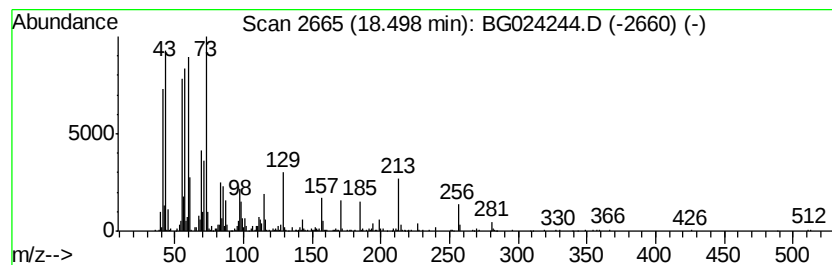
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	5.90 ng/ul	870822	Phenanthrene-d10	17.65

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94	
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	81	
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	70	
4	Tridecanoic acid	214	C13H26O2	000638-53-9	70	
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	64	



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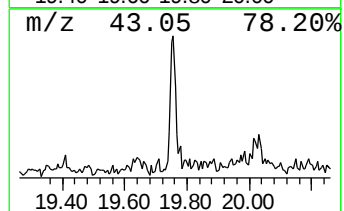
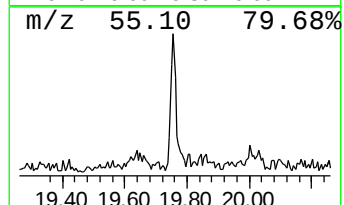
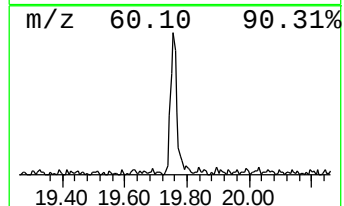
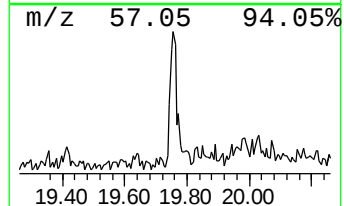
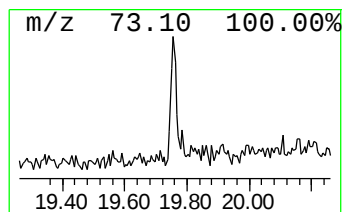
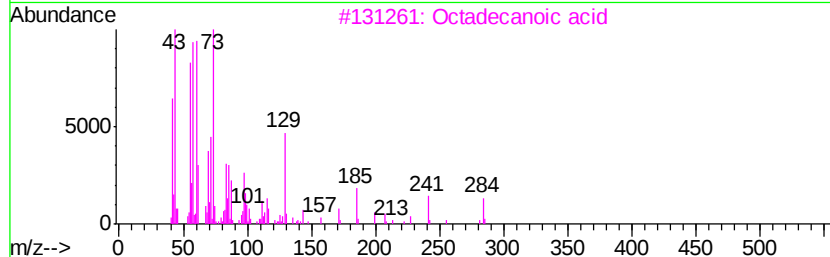
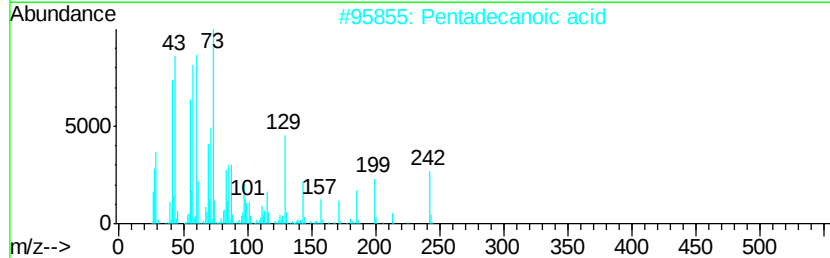
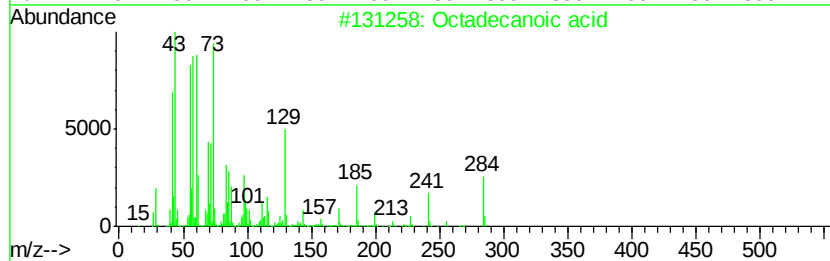
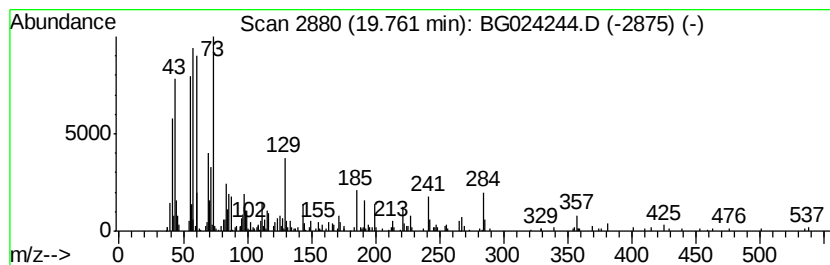
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 Octadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD		R.T.
19.76	2.22 ng/ul	327160	Phenanthrene-d10		17.65

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	95
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	78
3			Octadecanoic acid	284	C18H36O2	000057-11-4	50
4			Octadecanoic acid	284	C18H36O2	000057-11-4	50
5			Tetradecanoic acid	228	C14H28O2	000544-63-8	47



Data Path : Z:\HPCHEM1\BNA G\DATA\BG101016\
Data File : BG024244.D
Acq On : 10 Oct 2016 18:32
Operator : UM/SJ
Sample : H5082-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BDPJ0

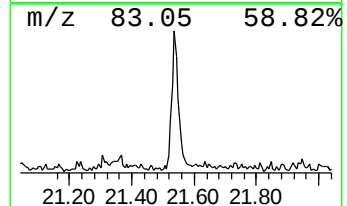
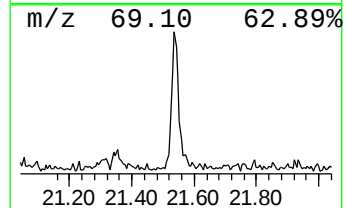
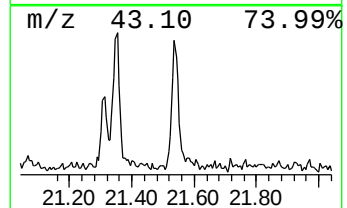
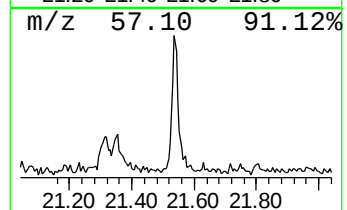
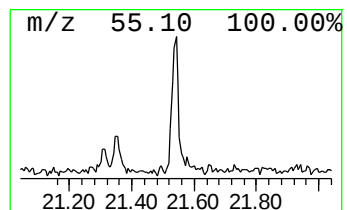
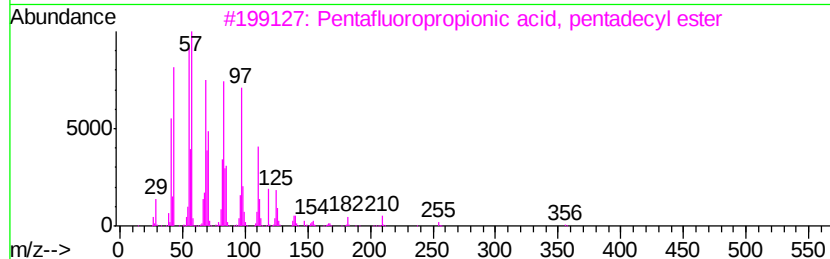
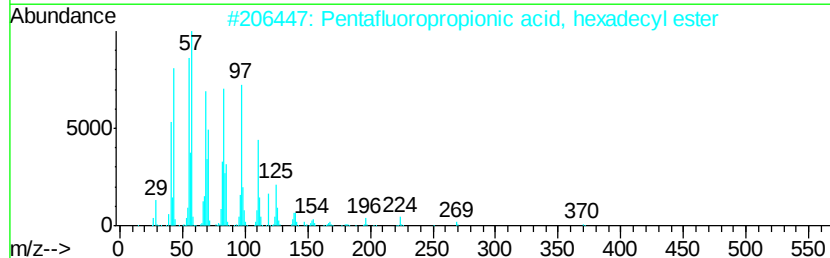
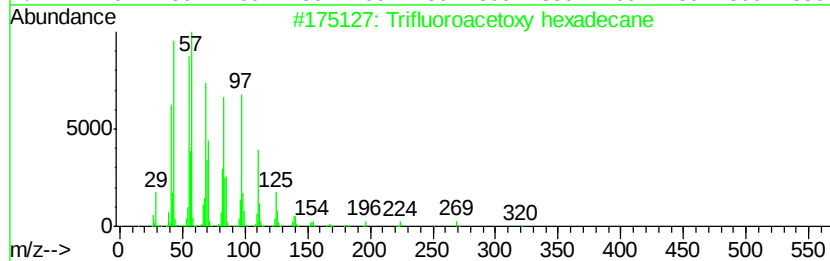
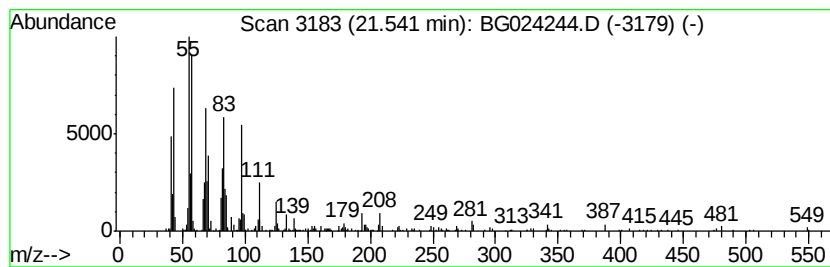
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG0100716.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Trifluoroacetoxy hexadecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.54	3.11 ng/ul	530701	Chrysene-d12	21.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	91
2		Pentafluoropropionic acid, hexadecyl ester	388	C19H33F5O2	006222-07-7	91
3		Pentafluoropropionic acid, pentadecyl ester	374	C18H31F5O2	959092-08-1	91
4		Trifluoroacetic acid, pentadecyl ester	324	C17H31F3O2	959010-23-2	91
5		Acetic acid, chloro-, hexadecyl ester	318	C18H35ClO2	052132-58-8	91



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ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BDPJ0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG0100716.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Dodecanoic acid	15.28	2.8	ng/ul	338879	3	14.91	2391340	20.0
n-Hexadecanoic acid	18.50	5.9	ng/ul	870822	4	17.65	2951350	20.0
Octadecanoic acid	19.76	2.2	ng/ul	327160	4	17.65	2951350	20.0
Trifluoroacetoxy ...	21.54	3.1	ng/ul	530701	5	21.95	3414690	20.0